



## SEQUENCE LISTING

<110> Barry, Michael  
Parrott, Michael

<120> Methods for the In Vivo Biotin Labeling of Polypeptides

<130> 7572/73184

<160> 7

<170> PatentIn version 3.1

<210> 1

<211> 122

<212> PRT

<213> Escherichia coli

<400> 1

Met Lys Leu Lys Val Thr Val Asn Gly Thr Ala Tyr Asp Val Asp Val  
1 5 10 15

Asp Val Asp Lys Ser His Glu Asn Pro Met Gly Thr Ile Leu Phe Gly  
20 25 30

Gly Gly Thr Gly Gly Ala Pro Ala Pro Ala Ala Gly Gly Ala Gly Ala  
35 40 45

Gly Lys Ala Gly Glu Gly Glu Ile Pro Ala Pro Leu Ala Gly Thr Val  
50 55 60

Ser Lys Ile Leu Val Lys Glu Gly Asp Thr Val Lys Ala Gly Gln Thr  
65 70 75 80

Val Leu Val Leu Glu Ala Met Lys Met Glu Thr Glu Ile Asn Ala Pro  
85 90 95

Thr Asp Gly Lys Val Glu Lys Val Leu Val Lys Glu Arg Asp Ala Val  
100 105 110

Gln Gly Gly Gln Gly Leu Ile Lys Ile Gly  
115 120

<210> 2

<211> 70

<212> PRT

<213> Escherichia coli

<400> 2

Glu Gly Glu Ile Pro Ala Pro Leu Ala Gly Thr Val Ser Lys Ile Leu  
1 5 10 15

Val Lys Glu Gly Asp Thr Val Lys Ala Gly Gln Thr Val Leu Val Leu  
                   20                  25                  30

Glu Ala Met Lys Met Glu Thr Glu Ile Asn Ala Pro Thr Asp Gly Lys  
           35                  40                  45

Val Glu Lys Val Leu Val Lys Glu Arg Asp Ala Val Gln Gly Gly Gln  
       50                  55                  60

Gly Leu Ile Lys Ile Gly  
   65                  70

<210> 3  
 <211> 14  
 <212> PRT  
 <213> Escherichia coli

<400> 3

Gly Leu Asn Asp Ile Phe Glu Ala Gln Lys Ile Glu Trp His  
   1                  5                  10

<210> 4  
 <211> 45  
 <212> DNA  
 <213> Escherichia coli

<400> 4  
 ctcgggccca gaattctcac catgaaggat aacaccgtgc cactg

45

<210> 5  
 <211> 39  
 <212> DNA  
 <213> Escherichia coli

<400> 5  
 ctctctagag cctttttctg cactacgcag ggatatttc

39

<210> 6  
 <211> 115  
 <212> PRT  
 <213> Mus musculus

<400> 6

Lys Ala Leu Ala Val Ser Asp Leu Asn Arg Ala Gly Gln Arg Gln Val  
   1                  5                  10                  15

Phe Phe Glu Leu Asn Gly Gln Leu Arg Ser Ile Leu Val Lys Asp Thr  
           20                  25                  30

Gln Ala Met Lys Glu Met His Phe His Pro Lys Ala Leu Lys Asp Val  
       35                  40                  45

Lys Gly Gln Ile Gly Ala Pro Met Pro Gly Lys Val Ile Asp Ile Lys  
50 55 60

Val Ala Ala Gly Asp Lys Val Ala Lys Gly Gln Pro Leu Cys Val Leu  
65 70 75 80

Ser Ala Met Lys Met Glu Thr Val Val Thr Ser Pro Met Glu Gly Thr  
85 90 95

Ile Arg Lys Val His Val Thr Lys Asp Met Thr Leu Glu Gly Asp Asp  
100 105 110

Leu Ile Leu  
115

<210> 7  
<211> 122  
<212> PRT  
<213> Homo sapiens

<400> 7

Gly Ser Cys Val Glu Val Asp Val His Arg Leu Ser Asp Gly Gly Leu  
1 5 10 15

Leu Leu Ser Tyr Asp Gly Ser Ser Tyr Thr Thr Tyr Met Lys Glu Glu  
20 25 30

Val Asp Arg Tyr Arg Ile Thr Ile Gly Asn Lys Thr Cys Val Phe Glu  
35 40 45

Lys Glu Asn Asp Pro Ser Val Met Arg Ser Pro Ser Ala Gly Lys Leu  
50 55 60

Ile Gln Tyr Ile Val Glu Asp Gly Gly His Val Leu Ala Gly Gln Cys  
65 70 75 80

Tyr Ala Glu Ile Glu Val Met Lys Met Val Met Thr Leu Thr Ala Val  
85 90 95

Glu Ser Gly Cys Ile His Tyr Val Lys Arg Pro Gly Ala Ala Leu Asp  
100 105 110

Pro Gly Cys Val Leu Ala Lys Met Gln Leu  
115 120